(c) the status of implementation of the programme in the State of Andhra Pradesh during the last one and half year; and

(d) the amount of money spent on the programme in Andhra Pradesh during said period, district-wise details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) and (b) Monitoring of the Integrated Rural Energy Programme (IREP) is done at the Central, State and District levels. The State Nodal Agencies/ State Nodal Departments implementing the programme are required to send physical and financial reports of the progress of the programme to the Ministry of Non-Conventional Energy Sources. These reports include details of expenditure incurred, funds utilized and item-wise physical and financial progress of various rural and renewable energy programmes taken up under IREP. Periodic review meetings are held by the Ministry to monitor progress of the programme in the States.

(c) and (d) IREP is a Centrally Sponsored Scheme and is implemented in Andhra Pradesh by the Andhra Pradesh State Council of Science and Technology (APCOST) on a 50:50 cost sharing basis. APCOST has spent about Rs. 1.0 crore during the last one and half year for various training programmes, installation of various rural and renewable energy systems and energy surveys in different districts of the State. Central funds have not been released during this period to Andhra Pradesh for this programme.

Extended loans for generation of solar and wind energy

843. SHRI GIREESH KUMAR SANGHI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the development made in the sphere of sun and wind energy; and

(b) the loans extended to generate sun and wind energy in the last three years?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR) : (a) The Ministry of Non-Conventional Energy Sources has been promoting the development and deployment of various solar energy and wind energy devices and systems in the country. In the area of solar energy, these include solar cookers, water heating and air heating systems, lanterns, home lights, street lights, pumps, power packs, etc. A total of about 1.1 million sq. m. of collector area for solar water heating systems and about

82MW aggregate capacity of solar photovoltaic systems, have so far been installed in the country. In the area of wind energy, the systems include wind mills for water pumping and decentralized power applications and wind turbines for grid power generation. An aggregate wind power capacity of 4225 MW has so far been installed in the country.

(b) Loans amounting to about Rs. 166 crore have been provided for solar energy devices and systems during the last three years by Indian Renewable Energy Development Agency (IREDA) and the participating banks. Furthermore, term loans amounting to about Rs. 485 crore have been provided by IREDA for setting up commercial wind power projects during the last three years. Loans are also being extended by other Financial Institutions and various banks for wind power projects.

Wind Power Association

844. SHRI C. PERUMAL : Will the Minister of POWER be pleased to state:

(a) whether Wind Power Association has demanded that utilities buy at least 25 per cent. of power produced from renewable sources;

(b) if so, whether any policy has been formulated in the matter;

(c) if so, the details thereof; and

(d) if not, the reasons therefor?

THE MINISTER OF POWER (SHRI P.M. SAYEED) : (a) The Indian Wind Power Association has written to the Ministry of Power in which one of the proposals is that the utilities should buy at least a minimum of 25% from Renewable Energy for their pool.

(b) to (d) One of the functions of the State Electricity Regulatory Commissions as laid down under section 86 of the Electricity Act, 2003 is to promote cogeneration and generation of electricity from renewable sources of energy and, *inter-alia*, also specify, for purchase of electricity from such sources, a percentage of the total consumption of electricity in the area of a distribution licence.

New power plants in Delhi

845. SHRI TARIQ ANWAR : Will the Minister of POWER be pleased to state:

(a) whether Government is planning to start some new power plants especially for supplying electricity in Delhi; and